

ART SEARCH RECORD

Patent Examiner Francis Moonan

US Patent Application: 09/622978

Inventor: Hull, Roger; Harper, Glyn

I. EAST Search.

Databases=USPAT; US-PGPUB; EPO; JPO; DERW

Date= 8 November 2001

Query=(Schenk.IN. or Sagi.IN. or Remy.IN. or Swennen.IN. or Dietzen.IN. or Geering.IN. or McMichael.IN. or thomas.IN or Grof.IN or Elliott.IN. or Hull.IN or Harper.IN or Lockhart.IN.)and (sugarcane or banana or plantain)

Results= 4

Art Considered= 4

Adams et al. 23 February 1999.
Methods and compositions for the production of stablytransformed fertile monocot plants and cells thereof.
US Patent No. 5,874,265

Olszewski et al. 25 February 1999.
Sugarcane bacilliform virus promoter.
WIPO No. WO 99/09190

Olszewski et al. 30 November 1999.
Sugarcane bacilliform virus promoter.
US Patent No. 5,994,123

Olszewski et al. 25 July 2000.
Sugarcane bacilliform virus promoter.
US Patent No. 5,994,123

II. ~~DIALOG~~/STN Search.

Databases= AGRICULTURE

Date=9 November 2001

Query=Schenk or Sagi or Remy or Swennen or Dietzen or Geering or McMichael or Thomas or Grof or Elliott or Hull or Harper or Lockhart and sugarcane or banana or plantain not mammal? not enzym? and virus or viral and pararetrovirus or badnavirus

Results= 146

Art Considered= 14

L8 ANSWER 1 OF 146 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2001:763212 CAPLUS

TITLE: Eukaryotic recombinant bidirectional transcription
vector to effect gene silencing via dsRNA-mediated
inhibition of gene expression

INVENTOR(S): Palmer, Kenneth E.; Pogue, Gregory P.

PATENT ASSIGNEE(S): Large Scale Biology Corporation, USA

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001077350	A2	20011018	WO 2001-US11436	20010404
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-545574 A 20000407

L8 ANSWER 14 OF 146 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 6

ACCESSION NUMBER: 2000:216163 BIOSIS

DOCUMENT NUMBER: PREV200000216163

TITLE: The rice tungro bacilliform virus gene II product interacts
with the coat protein domain of the viral gene III
polyprotein.

AUTHOR(S): Herzog, Etienne; Guerra-Peraza, Orlene; Hohn, Thomas (1)

CORPORATE SOURCE: (1) Friedrich Miescher Institute, Maulbeerstrasse 66,
CH-4058, Basel Switzerland

SOURCE: Journal of Virology, (March, 2000) Vol. 74, No. 5, pp.
2073-2083.

ISSN: 0022-538X.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L8 ANSWER 15 OF 146 AGRICOLA DUPLICATE 7

ACCESSION NUMBER: 2001:28866 AGRICOLA

DOCUMENT NUMBER: IND22298361

TITLE: Characterization and genomic analysis of tobacco vein
clearing virus, a plant pararetrovirus that
is transmitted vertically and related to sequences
integrated in the host genome.

AUTHOR(S): Lockhart, B.E.; Menke, J.; Dahal, G.; Olszewski, N.E.

AVAILABILITY: DNAL (QR360.A1J6)
SOURCE: The Journal of general virology, June 2000. Vol. 81,
No. pt.6. p. 1579-1585
Publisher: Reading : Society for General Microbiology.
CODEN: JGVIA Y; ISSN: 0022-1317
NOTE: Includes references
PUB. COUNTRY: England; United Kingdom
DOCUMENT TYPE: Article
FILE SEGMENT: Non-U.S. Imprint other than FAO
LANGUAGE: English

L8 ANSWER 25 OF 146 AGRICOLA DUPLICATE 13
ACCESSION NUMBER: 2000:46607 AGRICOLA
DOCUMENT NUMBER: IND22046496
TITLE: Integrated pararetroviral sequences define a unique
class of dispersed repetitive DNA in plants.
AUTHOR(S): Jakowitsch, J.; Mette, M.F.; Winden, J. van der.;
Matzke, M.A.; Matzke, A.J.M.
CORPORATE SOURCE: Institute of Molecular Biology, Salzburg, Austria.
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America, Nov 9, 1999. Vol. 96, No.
23. p. 13241-13246
Publisher: Washington, D.C. : National Academy of
Sciences,
CODEN: PNAS A6; ISSN: 0027-8424
NOTE: Includes references
PUB. COUNTRY: District of Columbia; United States
DOCUMENT TYPE: Article; Conference
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension
LANGUAGE: English

L8 ANSWER 26 OF 146 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 14
ACCESSION NUMBER: 1999:523005 CAPLUS
DOCUMENT NUMBER: 131:267862
TITLE: A short open reading frame terminating in front of a
stable hairpin is the conserved feature in pregenomic
RNA leaders of plant pararetroviruses
AUTHOR(S): Pooggin, Mikhail M.; Futterer, Johannes; Skryabin,
Konstantin G.; Hohn, Thomas
CORPORATE SOURCE: Friedrich Miescher Institute, Basel, CH-4002, Switz.
SOURCE: J. Gen. Virol. (1999), 80(8), 2217-2228
CODEN: JGVIA Y; ISSN: 0022-1317
PUBLISHER: Society for General Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 54
REFERENCE(S): (1) Bacharach, E; Journal of Virology 1998, V72, P6944
CAPLUS
(2) Bao, Y; Virology 1993, V197, P445 CAPLUS
(3) Bhattacharyya-Pakrasi, M; Plant Journal 1993, V4,
P71 CAPLUS
(4) Bonneville, J; Cell 1989, V59, P1135 CAPLUS
(5) Bouhida, M; Journal of General Virology 1993, V74,
P15 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 27 OF 146 Elsevier BIOBASE COPYRIGHT 2001 Elsevier Science B.V.

DUPLICATE

ACCESSION NUMBER: 1999132177 Elsevier BIOBASE

TITLE: A promoter from sugarcane bacilliform
badnavirus drives transgene expression in
banana and other monocot and dicot plants

AUTHOR: Schenk P.M.; Sagi L.; Remans T.; Dietzgen R.G.;
Bernard M.J.; Graham M.W.; Manners J.M.

CORPORATE SOURCE: P.M. Schenk, Coop. Res. Trop. Plant Pathol. Ctr.,
University of Queensland, John Hines Building, St.
Lucia, QLD 4072, Australia.

SOURCE: Plant Molecular Biology, (1999), 39/6 (1221-1230), 39
reference(s)

CODEN: PMBIDB ISSN: 0167-4412

DOCUMENT TYPE: Journal; Article

COUNTRY: Netherlands

LANGUAGE: English

SUMMARY LANGUAGE: English

L8 ANSWER 29 OF 146 AGRICOLA DUPLICATE 17

ACCESSION NUMBER: 2000:15812 AGRICOLA

DOCUMENT NUMBER: IND22025459

TITLE: Structure and promoter/leader deletion analysis of
mirabilis mosaic virus (MMV) full-length transcript
promoter in transgenic plants.

AUTHOR(S): Dey, N.; Maiti, I.B.

CORPORATE SOURCE: University of Kentucky, Lexington, KY.

AVAILABILITY: DNAL (QK710.P62)

SOURCE: Plant molecular biology, July 1999. Vol. 40, No. 5. p.
771-782

Publisher: Dordrecht : Kluwer Academic Publishers.

CODEN: PMBIDB; ISSN: 0167-4412

NOTE: Includes references

PUB. COUNTRY: Netherlands

DOCUMENT TYPE: Article

FILE SEGMENT: Non-U.S. Imprint other than FAO

LANGUAGE: English

L8 ANSWER 106 OF 146 AGRICOLA DUPLICATE 57

ACCESSION NUMBER: 93:51829 AGRICOLA

DOCUMENT NUMBER: IND93031884

TITLE: An analysis of the complete sequence of a sugarcane
bacilliform virus genome infectious to banana and
rice.

AUTHOR(S): Bouhida, M.; Lockhart, B.E.L.; Olszewski, N.E.

CORPORATE SOURCE: Institut Agronomique Hassan II, Agadir, Morocco

AVAILABILITY: DNAL (QR360.A1J6)

SOURCE: The Journal of general virology, Jan 1993. Vol. 74,
No. pt.1. p. 15-22

Publisher: Reading : Society for General Microbiology.

CODEN: JGVIA Y; ISSN: 0022-1317

NOTE: Includes references.

DOCUMENT TYPE: Article

FILE SEGMENT: Non-U.S. Imprint other than FAO
LANGUAGE: English

L8 ANSWER 134 OF 146 GENBANK.RTM. COPYRIGHT 2001
LOCUS (LOC): NTA414165 GenBank (R)
GenBank ACC. NO. (GBN): AJ414165
CAS REGISTRY NO. (RN): 361143-48-8
SEQUENCE LENGTH (SQL): 4806
MOLECULE TYPE (CI): DNA; linear
DIVISION CODE (CI): Plants, fungi, algae
DATE (DATE): 3 Oct 2001
DEFINITION (DEF): Nicotiana tabacum ORF1, ORF2 and partial ORF3,
pararetrovirus-like sequence, V2.
KEYWORDS (ST): coat protein; movement protein; ORF1; ORF2; ORF3;
polyprotein
SOURCE: common tobacco.
ORGANISM (ORGN): Nicotiana tabacum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Tracheophyta; Spermatophyta; Magnoliophyta;
eudicotyledons; core eudicots; Asteridae; euasterids I;
Solanales; Solanaceae; Nicotiana
NUCLEIC ACID COUNT (NA): 2445 a 542 c 699 g 1120 t
REFERENCE: 1 (bases 1 to 4806)
AUTHOR (AU): Jakowitsch,J.; Mette,M.F.; van Der Winden,J.;
Matzke,M.A.; Matzke,A.J.
TITLE (TI): Integrated pararetroviral sequences define a unique
class of dispersed repetitive DNA in plants
JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 96 (23), 13241-13246
(1999)
OTHER SOURCE (OS): CA 132:103712
REFERENCE: 2 (bases 1 to 4806)
AUTHOR (AU): van der Winden,J.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (25-SEP-2001) van der Winden J., Plant
Molecular Genetics, Institute of Molecular Biology,
Billrothstrasse 11, 5020 Salzburg, AUSTRIA

FEATURES (FEAT):

Feature Key	Location	Qualifier
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exon	202..1998	/note="ORF1"
CDS	202..1998	/number=1 /note="ORF1" /codon-start=1 /product="putative coat protein" /protein-id="CAC88783.1" /db-xref="GI:15963357" /translation="MNKEEFALEEKTYENPEGLK ITIIFSNLGRYKKIGNNLNLMLE KETVKLEDSLAMVRITKENEEIDRKREIKEIQQ QAKEKIQQIEEVKNTKITELEKEL EMLKQMYANKLKEKEKRKEEEEELKLTNEIERFK

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exon	1979..2932	/note="ORF2"
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		/number=1
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		/protein-id="CAC88785.1"
		/db-xref="GI:15963359"
		/translation="MPKIYILSKIIVEGYYNRY TPMVDTGAEANMCRHNCPLPESKWE KLKNPIVVTGFNNEGSMITYKARNIKIQIWDKIL TIEEISYEFTNKDILLGMPFLDK LYPHIITKTHWWFTTPCKQKLGAKRNNKVRKTT PWIKGSEKITQKLENIIQSNHNIE IIIFSINKIKPLQDKLELLYNDNPLQGWEKHQTK IKIELIDENSIITQKPLKYNFNDL TEFKMHIKELLDNNYIQESNSKHTSPAFIVNKH

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 DESKKLTAFTVPQGFYEWNVLPFG
 YKNAPGRYQHFMDNYFNQLENCIYIDDILLYSR
 TENEHIKLEKFIHIVEISGISLS
 KKKA EVMKNQIEFLGIQMDKNGIKMQTHVVQKII
 NLNETLDTKKKLQSFLGLVNQVRE
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 IKNMCKKLPKLYFPDEKKQFTYIV
 ETDSSDRVD"

SEQUENCE (SEQ):

1 cattaatagt acaaacccgc aaaacagtga aacaatcaaa ataactaaga aatcgcgagaa
 61 aattaggaag aaactaaaga aactatata agaatatgaa tacttaagta tcacaaaaat
 121 aaacaaagct aggttgcca aattaatcga tataatatct aaacagaat ataatatgt
 181 ttgtatcta aaggataaaa gatgaataaa gaagaattcg cattagaaga gaaaacatat
 241 gagaatccag aaggattaaa aataacaata atatttcta acttaggaag aagatataaa
 301 aaaataggaa ataacctaaa cttaagtta gaaaaagaaa ctgtaaaact agaggatagt
 361 ttaaccgccca tggtagaata acaaaaagaa aacgaagaaa tagatagaaa acgagagatt
 421 aaagaaatc aacagcaagc taaagaaaa atacaacaga tagaggaagt aaaaaacact
 481 aaataacag aattagaaaa agaattagag atgctaaaac agatgtatgc aaataaacta
 541 aaagaaaagg aaaaacgtaa agaagaagaa gaagaactaa aactaacaag tgagatagaa
 601 agattcaaat tacagttaga agaagtacag gagagtccat caaaaataag tataaacgaa
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 781 ggagatatga acgaagataa accaagcata tcaggaataa aaatccaaa acaattaac
 841 ccaacctatt acagatgaag ttatgatgca tatgacagaa aaaaacatt atgggataaa
 901 aggttaataa agaatgggc accaagacag ataactgaac aataaattt ttatgatcta
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 1021 ctaatagata ataaataac aataacgaa acaccagat atatagaag aacattaata
 1081 ggaactgtaa aatttggtt acaaaatga tcaagtgaag gcttagacac attaggagt
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 1201 atagcaataa gaaatgaatt tagtagtatg acaacagaag tagaagaaca aaataagaa
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 1501 aactggttta tagaattatg tgaaaaat aaagaaaaca tgaattgga aaaaatatta
 1561 gtaaaaaatt tggcatgttg caaaagtaga atagcaccac aatttgctg cacagataaa
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 1861 gataaatata cacaagtaga atagttagat tatgaattaa gcagcgaaga cagcatgtat
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 4801 gtcgac

L8 ANSWER 135 OF 146 GENBANK.RTM. COPYRIGHT 2001
 LOCUS (LOC): NTA414164 GenBank (R)
 GenBank ACC. NO. (GBN): AJ414164
 CAS REGISTRY NO. (RN): 361143-47-7
 SEQUENCE LENGTH (SQL): 6060
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Plants, fungi, algae
 DATE (DATE): 3 Oct 2001
 DEFINITION (DEF): Nicotiana tabacum partial ORF2, ORF3 and ORF4,
 pararetrovirus-like sequence, V3.
 KEYWORDS (ST): movement protein; ORF2; ORF3; ORF4; polyprotein;
 translatio; transactivator/inclusion body protein
 SOURCE: common tobacco.
 ORGANISM (ORGN): Nicotiana tabacum
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
 Tracheophyta; Spermatophyta; Magnoliophyta;
 eudicotyledons; core eudicots; Asteridae; euasterids I;
 Solanales; Solanaceae; Nicotiana

NUCLEIC ACID COUNT (NA): 2724 a 857 c 915 g 1559 t 5 others
REFERENCE: 1 (bases 1 to 6060)
AUTHOR (AU): Jakowitsch,J.; Mette,M.F.; van Der Winden,J.;
Matzke,M.A.; Matzke,A.J.
TITLE (TI): Integrated pararetroviral sequences define a unique
class of dispersed repetitive DNA in plants
JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 96 (23), 13241-13246
(1999)
OTHER SOURCE (OS): CA 132:103712
REFERENCE: 2 (bases 1 to 6060)
AUTHOR (AU): van der Winden,J.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (24-SEP-2001) van der Winden J., Plant
Molecular Genetics, Institute of Molecular Biology,
Billrothstrasse 11, 5020 Salzburg, AUSTRIA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..6060	/organism="Nicotiana tabacum" /db-xref="taxon:4097"
exon	<3..1157	/note="ORF2" /number=1
mRNA	<3..1157	/note="ORF2"
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LOCUS (LOC): NTA413172 GenBank (R)

GenBank ACC. NO. (GBN): AJ413172

CAS REGISTRY NO. (RN): 359759-08-3

SEQUENCE LENGTH (SQL): 6581

MOLECULE TYPE (CI): DNA; linear

DIVISION CODE (CI): Plants, fungi, algae

DATE (DATE): 3 Nov 2001

DEFINITION (DEF): Nicotiana tabacum pararetrovirus-like
sequence, V6.

KEYWORDS (ST): ORF2; ORF3; ORF4

SOURCE: common tobacco.

ORGANISM (ORGN): Nicotiana tabacum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Tracheophyta; Spermatophyta; Magnoliophyta;
eudicotyledons; core eudicots; Asteridae; euasterids I;
Solanales; Solanaceae; Nicotiana

NUCLEIC ACID COUNT (NA): 2893 a 897 c 1032 g 1759 t

REFERENCE: 1 (sites)

AUTHOR (AU): van der Winden, J.

JOURNAL (SO): Unpublished

REFERENCE: 2 (bases 1 to 6581)

AUTHOR (AU): van der Winden, J.

TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (25-SEP-2001) van der Winden J., Plant
Molecular Genetics, Institute of Molecular Biology,
Billrothstrasse 11, 5020 Salzburg, AUSTRIA

FEATURES (FEAT):

Feature Key	Location	Qualifier
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CDS	<1..1157	/note="ORF2; putative movement protein" /codon-start=3 /product="hypothetical protein" /protein-id="CAC88194.1" /db-xref="GI:15799222" /translation="RLDLSIDKILEVPTIKNWFK RQKEEYYVVSQREHIIDCKYIKGK AQIPILNKRLNKEIQDIKAKNPIKYVHLGGTEI LIKACFREGIDTPIEYLAADDRIV QPIEKSIVSAVRGNLIYQKFKFIVSANYSVAVDD KNIDKSLVLYWKMSGIELAPGSKI FTARCKNLYVLTTHKHITAKNKINKIKIENPFER IVSVIDNNDYSYTEIDMDEDLEIV KERLSTSKRINNEMPETSSRSTSRSTSKRINYTT PQKLIEQKIEEINPHHYITGIMD QRKYLILINTGQENYVIRELIPEQEIVTIEQQN SELPKALRKNEETTEKELIIGGIP ILINFKIYQGDKNITLGIKWLKKVKPYKLEDRQL TISYENKKIIKRTLI"
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L8 ANSWER 137 OF 146 GENBANK.RTM. COPYRIGHT 2001

LOCUS (LOC): AF190123 GenBank (R)

GenBank ACC. NO. (GBN): AF190123

CAS REGISTRY NO. (RN): 248236-12-6

SEQUENCE LENGTH (SQL): 7767

MOLECULE TYPE (CI): DNA; linear

DIVISION CODE (CI): Viruses

DATE (DATE): 23 Jun 2000

DEFINITION (DEF): Tobacco vein-clearing virus, complete genome.

SOURCE: tobacco vein-clearing virus.

ORGANISM (ORGN): tobacco vein-clearing virus

Viruses; Retroid viruses

NUCLEIC ACID COUNT (NA): 3729 a 959 c 1150 g 1929 t

REFERENCE: 1 (bases 1 to 7767)

AUTHOR (AU): Lockhart,B.E.; Menke,J.; Dahal,G.; Olszewski,N.E.

TITLE (TI): Characterization and genomic analysis of tobacco vein
clearing virus, a plant pararetrovirus that
is transmitted vertically and related to sequences
integrated in the host genome

JOURNAL (SO): J. Gen. Virol., 81 Pt 6, 1579-1585 (2000)

OTHER SOURCE (OS): CA 133:306131

REFERENCE: 2 (bases 1 to 7767)

AUTHOR (AU): Lockhart,B.E.; Menke,J.; Dahal,G.; Olszewski,N.

TITLE (TI): Direct Submission

JOURNAL (SO): Submitted (25-SEP-1999) Plant Biology, University of
Minnesota, 220 Biological Sciences Center, St. Paul, MN
55108, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
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L8 ANSWER 138 OF 146 GENBANK.RTM. COPYRIGHT 2001
 LOCUS (LOC): NTA238747 GenBank (R)
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 SEQUENCE LENGTH (SQL): 7981
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Plants, fungi, algae
 DATE (DATE): 11 Nov 1999
 DEFINITION (DEF): Nicotiana tabacum pararetrovirus-like
 sequence, ORF1, ORF2, ORF3 and ORF4.

KEYWORDS (ST): coat protein; inclusion body protein; movement protein;
polyprotein; translation transactivator

SOURCE: common tobacco.

ORGANISM (ORGN): Nicotiana tabacum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Tracheophyta; Spermatophyta; Magnoliophyta;
eudicotyledons; core eudicots; Asteridae; euasterids I;
Solanales; Solanaceae; Nicotiana

NUCLEIC ACID COUNT (NA): 3814 a 1023 c 1189 g 1955 t

REFERENCE: 1 (bases 1 to 7981)

AUTHOR (AU): Jakowitsch,J.; Mette,M.F.; van Der Winden,J.;
Matzke,M.A.; Matzke,A.J.

TITLE (TI): Integrated pararetroviral sequences define a unique
class of dispersed repetitive DNA in plants

JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 96 (23), 13241-13246
(1999)

OTHER SOURCE (OS): CA 132:103712

REFERENCE: 2 (bases 1 to 7981)

AUTHOR (AU): Jakowitsch,J.

TITLE (TI): Direct Submission

JOURNAL (SO): Submitted (16-APR-1999) Jakowitsch J., Institute of
Molecular Biology, Austrian Academy of Sciences,
Billrothstrasse 11, Salzburg, Salzburg, A - 5020,
AUSTRIA

FEATURES (FEAT):

Feature Key	Location	Qualifier
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DIVISION CODE (CI): Viruses
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 Viruses; Retrovird viruses; Caulimovirus
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On Jun 28, 2001 this sequence version replaced gi:2463654.
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 AUTHOR (AU): Richert-Poggeler,K.R.; Shepherd,R.J.
 TITLE (TI): Petunia vein-clearing virus: a plant
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 integrase function
 JOURNAL (SO): Virology, 236 (1), 137-146 (1997)
 OTHER SOURCE (OS): CA 127:327178
 REFERENCE: 2 (bases 1 to 7206)
 AUTHOR (AU): Richert-Poeggeler,K.R.; Hohn,T.
 TITLE (TI): Isolation of an infectious full-length clone of petunia
 vein clearing virus (PVCV) from infected Nicotiana
 glutinosa
 JOURNAL (SO): Unpublished
 REFERENCE: 3 (bases 1 to 7206)
 AUTHOR (AU): Richert-Poeggeler,K.R.; Shepherd,R.J.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (26-MAR-1997) Agronomy, University of
 Kentucky, Lexington, KY 40546-0091, USA
 REFERENCE: 4 (bases 1 to 7206)
 AUTHOR (AU): Richert-Poeggeler,K.R.; Shepherd,R.J.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (28-JUN-2001) Agronomy, University of
 Kentucky, Lexington, KY 40546-0091, USA

FEATURES (FEAT):

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